

## **LISTING OF CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A connector for connecting a fluid line to a fluid technology device, ~~such as a drive, a valve, or a maintenance device~~, said connector including a main housing having a line connection for fixing a fluid line, ~~having~~ a device connection for attachment to a fluid technology device, and ~~having~~ a connection channel formed therein, which runs between the line connection and the device connection and allows a fluid to flow through, wherein the connector ~~itself is equipped with~~ includes a volume flow detection device incorporated together with said main housing, which comprises pressure drop generation means provided in the connection channel and which comprises a bypass channel discharging into the connection channel in the region of the pressure drop generation means at points spaced in the running direction of the connection channel, ~~wherein said volume flow detection device further comprising~~ a mass flow sensor device ~~on or in the connector is~~ assigned to the bypass channel, said mass flow sensor device being placed outside the connection channel and being based on a calorimetric functional principle.

2. (Canceled)

3. (Currently Amended) The connector according to Claim 1, wherein the main housing has a first main housing body having the device connection, which has a first connection channel section, and a second main housing body having the line connection, which has a second connection channel section that communicates with the first connection channel section.

4. (Currently Amended) A The connector according to Claim 3 for connecting a fluid line to a fluid technology device having a line connection for fixing a fluid line, having

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a device connection for attachment to a fluid technology device, and having a connection channel, which runs between the line connection and the device connection and allows a fluid to flow through, wherein the connector itself is equipped with a volume flow detection device, which comprises pressure drop generation means provided in the connection channel and which comprises a bypass channel discharging into the connection channel in the region of the pressure drop generation means at points spaced in the running direction of the connection channel, wherein a mass flow sensor device on or in the connector is assigned to the bypass channel, said mass flow sensor device being placed outside the connection channel and being based on a calorimetric functional principle, said connector further comprising a main housing containing the connection channel, wherein the main housing has a first main housing body having the device connection, which has a first connection channel section and a second main housing body having the line connection, which has a second connection channel section that communicates with the first connection channel section, and wherein the second main housing body is implemented as a pivot part which is mounted so that it is rotatable on the first main housing body.

5. (Currently Amended) The connector according to Claim 12, wherein the mass flow sensor device is housed in a receiver housing, which is positioned on the main housing or is at least partially formed by the main housing.

6. (Previously Presented) The connector according to Claim 5, further comprising a removable cap of the receiver housing.

7. (Previously Presented) The connector according to Claim 1, wherein the volume flow detection device has an analysis electronics system that works together with the mass flow sensor device.

8. (Previously Presented) The connector according to Claim 7, wherein the mass flow sensor device and the analysis electronics system are housed in a receiver housing positioned on the main housing or at least partially formed by the main housing.

9. (Previously Presented) The connector according to Claim 3, wherein the mass flow sensor device is housed in a receiver housing, the receiver housing being provided on the second main housing body.

10. (Previously Presented) The connector according to Claim 1, wherein the mass flow sensor device is implemented as a chip.

11. (Previously Presented) The connector according to Claim 1, wherein the mass flow sensor device is a component constructed in microsystem technology.

12. (Previously Presented) The connector according to Claim 1, wherein the pressure drop generation means are replaceable.

13. (Previously Presented) The connector according to Claim 12, wherein the pressure drop generation means are a component of a replaceable insert body.

14. (Previously Presented) The connector according to Claim 13, wherein the insert body defines at least one longitudinal section of the connection channel.

15. (Previously Presented) The connector according to Claim 1, wherein the pressure drop generation means are formed by a screen.

16. (Previously Presented) The connector according to Claim 15, wherein the bypass channel discharges into the connection channel in the two corner regions between the screen and the sections of the connection channel adjoining on both sides.

17. (Previously Presented) The connector according to Claim 1, wherein the connector is an elbow having connections oriented at an angle to one another.

18. (Currently Amended) A The connector according to Claim 1, for connecting a fluid line to a fluid technology device having a line connection for fixing a fluid line, having a device connection for attachment to a fluid technology device, and having a connection channel, which runs between the line connection and the device connection and allows a fluid to flow through, wherein the connector itself is equipped with a volume flow detection device, which comprises pressure drop generation means provided in the connection channel and which comprises a bypass channel discharging into the connection channel in the region of the pressure drop generation means at points spaced in the running direction of the connection channel, wherein a mass flow sensor device on or in the connector is assigned to the bypass channel, said mass flow sensor device being placed outside the connection channel and being based on a calorimetric functional principle, wherein the connector is an elbow having connections oriented at an angle to one another, and wherein the mass flow sensor device is positioned on the side diametrically opposite the line connection.

19. (Previously Presented) The connector according to Claim 1, further comprising additional pressure detection means for the fluid pressure existing in the connection channel.

20. (Currently Amended) A The connector according to Claim 1, for connecting a fluid line to a fluid technology device having a line connection for fixing a fluid line, having a device connection for attachment to a fluid technology device, and having a connection channel, which runs between the line connection and the device connection and allows a fluid to flow through, wherein the connector itself is equipped with a volume flow detection device, which comprises pressure drop generation means provided in the connection channel

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and which comprises a bypass channel discharging into the connection channel in the region of the pressure drop generation means at points spaced in the running direction of the connection channel, wherein a mass flow sensor device on or in the connector is assigned to the bypass channel, said mass flow sensor device being placed outside the connection channel and being based on a calorimetric functional principle, said connector further comprising additional temperature detection means for detecting the fluid temperature existing in the connection channel.

21. (New) A connector for connecting a fluid line to a fluid technology device comprising:

a main housing having an inlet, an outlet, a connection channel formed therein and extending between said inlet and said outlet for permitting fluid flow therebetween and a bypass channel in fluid communication with said connection channel;

a pressure drop generator disposed within said connection channel adjacent said bypass channel; and

a mass flow sensor device contained within said main housing and in fluid communication with said bypass channel for measuring a pressure drop generated by said pressure drop generator within said connection channel.